

Australian/New Zealand Standard™

Paints for steel structures

**Part 20: Anticorrosive metal primer—
Solvent-borne—Lead and chromate free**



AS/NZS 3750.20:2008

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CH-003, Paints and Related Materials. It was approved on behalf of the Council of Standards Australia on 19 March 2007 and on behalf of the Council of Standards New Zealand on 3 March 2007.

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The following are represented on Committee CH-003:

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Australian Paint Manufacturers' Federation
Australian Pipeline Industry Association
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH-003, Paints and Related Materials, to supersede AS 4025.4—1994, *Paints for equipment including ships, Part 4: Solvent-borne—Lead and chromate free—Anticorrosive metal primer*.

See AS/NZS 3750.0 for other published Standards in this series.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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1 SCOPE

This Standard sets out requirements for solvent-borne pigmented metal priming paints as part of a system for the protection of iron and steel against atmospheric corrosion. They are intended to be applied as supplied by brush, roller or spray to provide resistance to weathering, washing and intermittent contact with petrol or mineral oils. The Standard deals with primers that are surface dry within 2 h and may be overcoated after 24 h.

This paint complies with Type C05 of AS/NZS 2312 and is a lead and chromate-free version of the paint described in AS/NZS 3750.19.

This Standard applies to paints intended for the priming of well-cleaned steel surfaces. These products should be overcoated with a paint system specified by AS/NZS 2312 such as ALK5 or ALK6.

NOTES:

- 1 Appendix A contains recommendations and advice on information which should be provided by the purchaser at the time of enquiry or order.
- 2 Additional information on the use and application of metal primers is given in Appendix B.

2 REFERENCED DOCUMENTS

A list of documents referred to in this Standard is given in Appendix C.

3 DEFINITIONS

For the purpose of this Standard, the definitions of AS/NZS 2310 apply.

4 MATERIALS REQUIREMENTS

NOTE: The properties and requirements for paint to this Standard are summarized in Table 1.

4.1 Composition

The primer shall consist essentially of a binder, zinc phosphate dihydrate, modified zinc phosphate or other inhibiting pigments and a hydrocarbon solvent.

The product shall not be a First, Second or Third Schedule paint as defined in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) issued by the Department of Health and Ageing.

4.2 Conditions of test

Unless otherwise indicated, the requirements specified in this Standard apply to products that are tested under the following conditions:

- (a) The test panel material is steel as specified in AS/NZS 1580.104.1 or as indicated in Table 1. Where reference panels are required, they shall be composed of the same material as the test panel, be prepared by methods identical to those used for the test panel and at the same time as the test panel.